YASHVARDHAN ASHOK
Computer Science Engineering

yashvardhan577@gmail.com ✉
Yashvardhan-Ashok 🔗
+91-90153 88663 📞

SUMMARY

With over **3 years of Industry experience** in **web development**, **data analysis**, and **automation**. Proficient in **Python**, **Ruby on Rails**, **React**, and **MySQL**, with expertise in **data visualization** and developing **automated tools** and **scalable web solutions**. Skilled in applying **data analysis techniques** to enhance workflows, **optimize productivity**, and drive **data-driven decision-making**. Successfully reduced costs and streamlined business processes through innovative projects like **TOKUMEI** and **ATF**, delivering measurable business impact.

EDUCATION

Bachelor's in computer science:
BMIET, Guru Gobind Singh Indraprastha University

12th Standard: Jeevan Jyoti Sec. School
10th Standard: DPS Indirapuram

WORK EXPERIENCE

Power Grid Corporation of India (Industry Training) — Jan 2025 – Present

- **Developed AI-Powered Search & Analysis System**: Designed and implemented an AI-driven system using Llama and Gemma 2 LLMs, improving data retrieval efficiency by **30% - 40%** for employees.
- **Vector Database Integration for Knowledge Retrieval**: Trained and optimized a vector database on **5,000+** company-specific documents.
- **Model Customization & Optimization**: Modified and fine-tuned large language models (LLMs) to align with Power Grid's data needs, reducing manual data analysis time by **50%**.

MyUpchar (Summer Intern) — *July - Aug 2024*

- **TOKUMEI Development:** Built an offline, Gmail-like system with advanced search and custom controls, **improving retrieval speed by 30**% and **cutting email clutter by 40%.**
- **Process Optimization**: Improved team collaboration with a secure messaging system, reducing email dependency by **60%** and boosting response **efficiency by** 40%.
- **Cost Reduction:** Replaced Google Workspace, **lowering annual costs by 25%.**

Navrasa Duende (Intern) — *Feb 2024*

- **AMS (Auto Mail Sender):** Designed a **Python-based GUI** application integrated with **Zebra Mail Server**, automating the management of over **3,000 emails daily**, improving operational efficiency by **60%.**
- **Managed 3,000+ daily emails:** Enabled **real-time tracking** via a dashboard, streamlined **HTML-based communication**, and automated record-keeping, ensuring **100%** transparency for management.

Energo Products Limited (Summer Intern) — *Aug - Sep 2023*

- **Developed ATF (Automated Tender Finder):** Reduced tender data extraction time by **50%** using **Selenium**; filtered irrelevant information and converted **HTML** to **JSON** for accuracy.
- **Built Tender Hunt:** Created a web-based platform with **blacklisting**, **sorting**, and **document downloads**, improving tender management efficiency by 40% and simplifying workflows.

PROJECTS

- **Lip-Reading Model:** Developed a deep-learning model with **86% accuracy**, winning **1st place** in a college hackathon for real-time speech recognition without audio.
- **Auto Inventory Management and User Management:** Designed a system to automate **inventory tracking** and **user management**, reducing **manual tasks** and **increasing** operational efficiency by **40%.**
- **Railway Management System**: Developed a web-based ticket booking platform that automated city selection and email notifications, reducing booking time by **40%** and handling **500+ transactions daily**.
- **AIU (Auto Instagram Unfollow)**: Engineered an automation tool using a custom algorithm, processing **1,000+ follower checks per hour**, reducing non-reciprocal follows by **85%**, and improving engagement rates by **30%** while maintaining platform compliance.

LANGUAGES & TECHNOLOGYS

- **Programming Languages:**
  Python, C/C++, JavaScript (JS)
- **Web Development & Frameworks:**
  HTML, CSS, React, Node.js, Ruby on Rails
- **Database Management:**
  MySQL, JSON

- **Data Analysis:**
  Pandas, NumPy, Matplotlib, Pytorch
- **Automation & Tools:**
  Selenium, Git, GitHub Actions, Docker
- **Designing & Developing Tools:**
  Tableau, Jupiter Notebook, Figma, Adobe AI